

ABSTRACT

Rotating turbo nozzles for use in car wash systems have a nozzle body with a hollow interior in which a nozzle member is rotated in unison with a fluid vortex created by pressurized fluid introduced into the interior of the nozzle body through passageways forming an acute angle with the hollow interior. Systems are employed for reducing the speed of rotation of the nozzle member relative to the nozzle body so as to improve the effective range in which the nozzle body can emit cleaning fluids with an acceptable impact force.